

Title 33
ENVIRONMENTAL QUALITY
Part V. Hazardous Waste and Hazardous Materials
Subpart 1. Department of Environmental Quality-Hazardous Waste

Chapter 49. Lists of Hazardous Wastes

Appendix E. Wastes Excluded Under LAC 33:V.105.M

Table E1 - Wastes Excluded	
Facility	Address
* * *	
[See Prior Text in DuPont Dow Elastomers LLC – Marathon Oil Co.]	
<u>Facility</u>	<u>Address</u>
Motiva Enterprises LLC	Norco, LA
<u>Waste Description</u>	
<p>Residual solids, at a maximum annual generation rate of 10,000 cubic yards per year (7,500 tons/year), are generated from the thermal desorption recycling of oil-bearing secondary materials resulting from petroleum processing operations, which are classified as newly generated EPA Hazardous Waste Number F037, petroleum refinery primary oil/water/solids separation sludge (effective February 8, 1999, per the updated definition promulgated on August 6, 1998, and the corrected definition dated June 8, 2000). <u>For the purpose of this exclusion, oil-bearing hazardous secondary materials resulting from petroleum refining operations include EPA Hazardous Waste Numbers K048-K052, K169-K170, F037, and F038.</u> The constituents of concern for F037 waste are listed as hexavalent chromium, lead, benzene, benzo(a)pyrene, and chrysene (see LAC 33:V.4901). Motiva must implement a testing and management program that meets the following conditions for the exclusion to be valid.</p>	
<p>(1). Testing</p> <p><u>Sample collection and analyses, including quality control (QC) procedures, must be performed according to methodologies described in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication Number SW-846, as incorporated by reference in LAC 33:V.110.</u></p>	

Table E1 - Wastes Excluded**(1)(A). Inorganic Testing**

During the first 12 months of this exclusion, Motiva must collect and analyze a monthly composite sample of the residual solids. Composite samples must be composed of a minimum of two representative grab samples from each operating day during a representative week of operation. The samples must be analyzed for the constituents listed in condition (3)(A) prior to disposal of the residual solids. Motiva must report to the department the unit operating conditions and analytical data (reported in milligrams per liter) for antimony, arsenic, barium, chromium, lead, mercury, nickel, selenium, silver, vanadium, and zinc, including quality control information. If the department and Motiva concur that the analytical results obtained during the 12 monthly testing periods have been significantly below the delisting levels in condition (3)(A), then Motiva may replace the inorganic testing required in condition (1)(A) with the inorganic testing required in condition (1)(B). Condition (1)(A) shall remain effective until this concurrence is reached.

(1)(B). Subsequent Inorganic Testing

Following concurrence by the department, Motiva may substitute the following testing conditions for those in condition (1)(A). Motiva must continue to monitor operating conditions and analyze quarterly composite samples representative of normal operations. The samples must be composed of representative grab samples from each operating day during a representative week of operation, during the first month of each quarterly period. These quarterly representative composite samples must be analyzed for the constituents listed in condition (3)(A) prior to disposal of the residual solids. If delisting levels for any inorganic constituents listed in condition (3)(A) are exceeded in the quarterly sample, Motiva must re-institute testing as required in condition (1)(A). Motiva may, at its discretion, analyze composite samples gathered more frequently to demonstrate that smaller batches of waste are nonhazardous.

(1)(C). Organic Testing

During the first 12 months of this exclusion, Motiva must collect and analyze two monthly grab samples of the residual solids. These two representative grab samples should be collected on different operating days during a representative week of operation. The samples must be analyzed for the constituents listed in condition (3)(B) prior to disposal of the residual solids. Motiva must report to the department the unit operating conditions and analytical data (reported in milligrams per liter) for anthracene, benzene, toluene, xylenes, carbon disulfide, chrysene, naphthalene, and pyrene, including quality control information. If the department and Motiva concur that the analytical results obtained during the 12 monthly testing periods have been significantly below the delisting levels in condition (3)(B), then Motiva may replace the organic testing required in condition (1)(C) with the organic testing required in condition (1)(D). Condition (1)(C) shall remain effective until this concurrence is reached.

Table E1 - Wastes Excluded**(1)(D). Subsequent Organic Testing**

Following concurrence by the department, Motiva may substitute the following testing conditions for those in condition (1)(C). Motiva must continue to monitor operating conditions and analyze two annual grab samples representative of normal operations. The samples must be representative grab samples from different operating days during a representative week of operation, during the first month of each annual period. These annual representative grab samples must be analyzed for the constituents listed in condition (3)(B) prior to disposal of the residual solids. If delisting levels for any organic constituents listed in condition (3)(B) are exceeded in the annual sample, Motiva must re-institute testing as required in condition (1)(C). Motiva may, at its discretion, analyze grab samples gathered more frequently to demonstrate that smaller batches of waste are nonhazardous.

(2). Waste Holding and Handling

Motiva must store as hazardous wastes all residual solids generated until each batch has completed verification testing, as specified in conditions (1)(A) - (1)(D), and has satisfied the delisting criteria, as specified in condition (3). If the levels of constituents in the samples of residual solids are below all of the applicable levels set forth in condition (3), then the residual solids thereby become nonhazardous solid wastes and may be managed and disposed of in accordance with all applicable solid waste regulations. If hazardous constituent levels in any monthly composite or other representative sample equal or exceed any of the delisting levels set in condition (3), the residual solids generated during the corresponding period must be retreated and/or stabilized as allowed below until the residual solids meet the delisting levels, or managed and disposed of in accordance with Subtitle C of RCRA. If the residual solids contain leachable inorganic concentrations at or above the delisting levels set forth in condition (3)(A), then Motiva may stabilize the material with Type 1 portland cement and/or hydrated lime as demonstrated in the petition to immobilize the metals. Following stabilization, Motiva must repeat analyses in condition (3)(A) prior to disposal.

(3). Delisting Levels

Concentrations in conditions (3)(A) and (3)(B) must be measured in the extract from the samples by the method specified in LAC 33:V.4903.E. All leachable concentrations in the extract must be less than the following levels (all units are milligrams per liter).

(3)(A). Inorganic Constituents

Antimony - 0.50; Arsenic - 0.50; Barium - 50.0; Chromium - 0.50; Lead - 0.50; Mercury - 0.05; Nickel - 5.0; Selenium - 1.0; Silver - 0.5; Vanadium - 1.6; Zinc - 50.0.

(3)(B). Organic Constituents

Anthracene - 0.20; Benzene - 0.10; Carbon disulfide - 4.8; Chrysene - 0.05; Naphthalene - 0.05; Pyrene - 0.05; Toluene - 0.10; Xylenes - 0.10.

Table E1 - Wastes Excluded**(4). Changes in Operating Conditions**

If Motiva significantly changes the operating conditions specified in the petition, Motiva must notify the department in writing. Following receipt of written approval by the department, Motiva must re-institute the testing required in conditions (1)(A) and (1)(C) for a minimum of four months. Motiva must report unit operating conditions and test data required by conditions (1)(A) and (1)(C), including quality control data, obtained during this period no later than 60 days after the changes take place. Following written notification by the department, Motiva may replace testing conditions (1)(A) and (1)(C) with (1)(B) and (1)(D). Motiva must fulfill all other requirements in condition (1).

(4)(A). Processing Equipment

Motiva may elect to change thermal desorption processing equipment based on operational performance and economic considerations. In the event that Motiva changes operating equipment, i.e., generic thermal desorption units, Motiva must re-institute processing and initiate testing required in conditions (1)(A) and (1)(C) for a minimum of four months. Motiva must report unit operating conditions and test data required in conditions (1)(A) and (1)(C), including quality control data, obtained during this period, no later than 60 days after the changes take place. Following written notification by the department, Motiva may replace testing conditions (1)(A) and (1)(C) with (1)(B) and (1)(D). Motiva must fulfill all other requirements in condition (1).

(4)(B). Batch Processing

Motiva may periodically elect to change operating conditions to accommodate batch processing of single-event waste generations. In the event that Motiva initiates batch processing and changes the operating conditions established under condition (1), Motiva must re-institute the testing required in conditions (1)(A) and (1)(C) during such batch processing events, monitor unit operating conditions, and perform testing required by conditions (1)(A) and (1)(C), as appropriate. Following the completion of batch processing operations, Motiva must return to the operating conditions applicable prior to initiation of the batch processing and may return to the testing conditions that were applicable prior to the initiation of the batch processing activities.

(5). Data Submittal

Motiva must notify the department, in writing, at least two weeks prior to initiating condition (1)(A). All data obtained to fulfill condition (1) must be submitted to the Assistant Secretary of the Office of Environmental Services, LDEQ, 7290 Bluebonnet Blvd, Baton Rouge, LA 70810, within 60 days after each sampling event. Records of operating conditions and analytical data from condition (1) must be compiled, summarized, and maintained on-site for a minimum of three years. These records and data must be furnished upon request by the department and made available for inspection. Failure to submit the required data within the specified time period or failure to maintain the required records on-site for the specified time shall be considered by the department, at its discretion, sufficient basis to revoke the exclusion. All data must be accompanied by a signed copy of the following certification statement to attest to the truth and accuracy of the data submitted.

Table E1 - Wastes Excluded

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this demonstration and all attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In the event that any of this information is determined by the department, in its sole discretion, to be false, inaccurate, or incomplete, and upon conveyance of this fact to the company, I recognize and agree that this exclusion of waste will be void as if it never had been in effect, or to the extent directed by the department, and that the company will be liable for any actions taken in contravention of the company's environmental obligations under the Louisiana Environmental Quality Act premised upon the company's reliance on the void exclusion."

(6). Reopener Language

If, at any time after disposal of the delisted waste, Motiva possesses or is otherwise made aware of any environmental data (including but not limited to, leachate data or groundwater monitoring data) or any other data relevant to the delisted waste indicating that any constituent identified in the delisting verification testing is at a level higher than the delisting level allowed by the department in granting the petition, Motiva must report the data, in writing, to the department within 10 days of first possessing or being made aware of that data. If the testing of the waste, as required by condition (1), does not meet the delisting requirements of condition (3), Motiva must report the data, in writing, to the department within 10 days of first possessing or being made aware of that data. Based on the information described herein and any other information received from any source, the department will make a preliminary determination as to whether the reported information requires that the department take action to protect human health or the environment. Further action may include suspending or revoking the exclusion, or other appropriate response necessary to protect human health and the environment. If the department determines that the reported information does require departmental action, the department will notify the facility, in writing, of the action believed necessary to protect human health and the environment. The notice shall include a statement of the proposed action and a statement providing Motiva with an opportunity to present information as to why the proposed action is not necessary. Motiva shall have 10 days from the date of the department's notice to present such information. Following the receipt of information from Motiva, or if no such information is received within 10 days, the department will issue a final written determination describing the departmental actions that are necessary to protect human health or the environment. Any required action described in the department's determination shall become effective immediately, unless the department provides otherwise.

(7). Notification Requirements

Motiva must provide a one-time written notification to any state regulatory agency in a state to which or through which the delisted waste described above will be transported, at least 60 days prior to the commencement of such activities. Failure to provide notification will result in a violation of the delisting conditions and a possible revocation of the decision to delist.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2180 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality LR 20:1000 (September 1994), amended by the Office of Solid and Hazardous Waste, Hazardous Waste

Division, LR 21:944 (September 1995), LR 22:830 (September 1996), amended by the Office of Waste Services, Hazardous Waste Division, LR 23:952 (August 1997), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 25:2397 (December 1999), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 26:2509 (November 2000), LR 29: